

Lucy Flesch

List of Publications by Year in descending order

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29
papers

1,435
citations

471509

17
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	Thank You to Our 2021 Peer Reviewers. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	0
2	Thank You to Our 2020 Peer Reviewers. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093126.	4.0	0
3	Thank You to Our 2019 Peer Reviewers. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088048.	4.0	0
4	Thank You to Our 2018 Peer Reviewers. <i>Geophysical Research Letters</i> , 2019, 46, 12608-12636.	4.0	0
5	Impact of Lithospheric Strength Distribution on India-Eurasia Deformation From 3D Geodynamic Models. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1084-1105.	3.4	16
6	Limitations on Inferring 3D Architecture and Dynamics From Surface Velocities in the India-Eurasia Collision Zone. <i>Geophysical Research Letters</i> , 2018, 45, 1379-1386.	4.0	10
7	Normal faulting and viscous buckling in the Tibetan Plateau induced by a weak lower crust. <i>Nature Communications</i> , 2018, 9, 4952.	12.8	36
8	Spatial Scales in Topography and Strain Rate Magnitude in the Western United States. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 6086-6097.	3.4	2
9	Kinematics and Dynamics of the Pamir, Central Asia: Quantifying the Roles of Continental Subduction in Force Balance. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8161-8179.	3.4	5
10	Vertical coherence of deformation in lithosphere in the NE margin of the Tibetan plateau using GPS and shear-wave splitting data. <i>Tectonophysics</i> , 2017, 699, 93-101.	2.2	85
11	Kinematics and dynamics of the Pamir, Central Asia: Quantifying surface deformation and force balance in an intracontinental subduction zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 4741-4762.	3.4	13
12	Surface motions and intraplate continental deformation in Alaska driven by mantle flow. <i>Geophysical Research Letters</i> , 2015, 42, 4350-4358.	4.0	33
13	Vertical coherence of deformation in lithosphere in the eastern Himalayan syntaxis using GPS, Quaternary fault slip rates, and shear wave splitting data. <i>Geophysical Research Letters</i> , 2015, 42, 5813-5819.	4.0	39
14	Present-day geodynamics of the northern North American Cordillera. <i>Earth and Planetary Science Letters</i> , 2014, 404, 111-123.	4.4	19
15	A review of heterogeneous materials and their implications for relationships between kinematics and dynamics in continents. <i>Tectonics</i> , 2013, 32, 980-992.	2.8	4
16	Evidence of active mantle flow beneath South China. <i>Geophysical Research Letters</i> , 2013, 40, 5137-5141.	4.0	26
17	The relationship between surface kinematics and deformation of the whole lithosphere. <i>Geology</i> , 2012, 40, 711-714.	4.4	24
18	Significant and vertically coherent seismic anisotropy beneath eastern Tibet. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	46

#	ARTICLE	IF	CITATIONS
19	Gravitational potential energy and regional stress and strain rate fields for continental plateaus: Examples from the central Andes and Colorado Plateau. <i>Tectonophysics</i> , 2010, 482, 182-192.	2.2	36
20	Contribution of gravitational potential energy differences to the global stress field. <i>Geophysical Journal International</i> , 2009, 179, 787-812.	2.4	69
21	Evidence of long-term weakness on seismogenic faults in western North America from dynamic modeling. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	19
22	Evidence for mechanically coupled lithosphere in central Asia and resulting implications. <i>Geology</i> , 2008, 36, 363.	4.4	212
23	Reconciling lithospheric deformation and lower crustal flow beneath central Tibet. <i>Geology</i> , 2007, 35, 895.	4.4	74
24	A possible "window of escape" in the southern Cascadia subduction zone. <i>Geology</i> , 2007, 35, 959.	4.4	3
25	Cenozoic tectonic processes along the southern Alaska convergent margin. <i>Geology</i> , 2007, 35, 1055.	4.4	6
26	The dynamics of western North America: stress magnitudes and the relative role of gravitational potential energy, plate interaction at the boundary and basal tractions. <i>Geophysical Journal International</i> , 2007, 169, 866-896.	2.4	76
27	Gravitational potential energy of the Tibetan Plateau and the forces driving the Indian plate. <i>Geology</i> , 2006, 34, 321.	4.4	89
28	Constraining the extent of crust-mantle coupling in central Asia using GPS, geologic, and shear wave splitting data. <i>Earth and Planetary Science Letters</i> , 2005, 238, 248-268.	4.4	226
29	Dynamics of the India-Eurasia collision zone. <i>Journal of Geophysical Research</i> , 2001, 106, 16435-16460.	3.3	267